

Patent Application
Attorney Docket No. PC9576A

each R⁶ and R⁷ is independently H, hydroxy, C₁-C₆ alkoxy, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, -(CH₂)_m(C₆-C₁₀ aryl), or -(CH₂)_m(5-10 membered heteroaryl), wherein m is an integer ranging from 0 to 4;

each R⁸ is independently H, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, -(CH₂)_qCR¹¹R¹²(CH₂)_rNR¹³R¹⁴ wherein q and r are each independently an integer ranging from 0 to 3 except q and r are not both 0, -(CH₂)_m(C₆-C₁₀ aryl), or -(CH₂)_m(5-10 membered heteroaryl), wherein m is an integer ranging from 0 to 4, and wherein the foregoing R⁸ groups, except H, are optionally substituted by 1 to 3 R¹⁶ groups;

or where R⁸ is as -CH₂NR⁸R¹⁵, R¹⁵ and R⁸ may be taken together to form a 4-10 membered monocyclic or polycyclic saturated ring or a 5-10 membered heteroaryl ring, wherein said saturated and heteroaryl rings optionally include 1 or 2 heteroatoms selected from the group consisting of O, S and -N(R⁸)-, in addition to the nitrogen to which R¹⁵ and R⁸ are attached, said saturated ring optionally includes 1 or 2 carbon-carbon double or triple bonds, and said saturated and heteroaryl rings are optionally substituted by 1 to 3 R¹⁶ groups;

each R⁹ is independently H or C₁-C₆ alkyl;

each R¹¹, R¹², R¹³ and R¹⁴ is independently selected from the group consisting of H, C₁-C₁₀ alkyl, -(CH₂)_m(C₆-C₁₀ aryl), and -(CH₂)_m(5-10 membered heteroaryl), wherein m is an integer ranging from 0 to 4, and wherein the foregoing R¹¹, R¹², R¹³ and R¹⁴ groups, except H, are optionally substituted by 1 to 3 R¹⁶ groups;

or R¹¹ and R¹³ are taken together to form -(CH₂)_p- wherein p is an integer ranging from 0 to 3 such that a 4-7 membered saturated ring is formed that optionally includes 1 or 2 carbon-carbon double or triple bonds;

or R¹³ and R¹⁴ are taken together to form a 4-10 membered monocyclic or polycyclic saturated ring or a 5-10 membered heteroaryl ring, wherein said saturated and heteroaryl rings optionally include 1 or 2 heteroatoms selected from the group consisting of O, S and -N(R⁸)-, in addition to the nitrogen to which R¹³ and R¹⁴ are attached, said saturated ring optionally includes 1 or 2 carbon-carbon double or triple bonds, and said saturated and heteroaryl rings are optionally substituted by 1 to 3 R¹⁶ groups;

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R^{15} is H, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, or C₂-C₁₀ alkynyl, wherein the foregoing R^{15} groups are optionally substituted by 1 to 3 substituents independently selected from the group consisting of halo and -OR⁹;

each R^{16} is independently selected from the group consisting of halo, cyano, nitro, trifluoromethyl, azido, -C(O)R¹⁷, -C(O)OR¹⁷, -OC(O)OR¹⁷, -NR⁶C(O)R⁷, -C(O)NR⁶R⁷, -NR⁶R⁷, hydroxy, C₁-C₆ alkyl, C₁-C₆ alkoxy, -(CH₂)_m(C₆-C₁₀ aryl), and -(CH₂)_m(5-10 membered heteroaryl), wherein m is an integer ranging from 0 to 4, and wherein said aryl and heteroaryl substituents are optionally substituted by 1 or 2 substituents independently selected from the group consisting of halo, cyano, nitro, trifluoromethyl, azido, -C(O)R¹⁷, -C(O)OR¹⁷, -OC(O)OR¹⁷, -NR⁶C(O)R⁷, -C(O)NR⁶R⁷, -NR⁶R⁷, hydroxy, C₁-C₆ alkyl, and C₁-C₆ alkoxy;

each R^{17} is independently selected from the group consisting of H, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, -(CH₂)_m(C₆-C₁₀ aryl), and -(CH₂)_m(5-10 membered heteroaryl), wherein m is an integer ranging from 0 to 4;

with the proviso that R^8 is not H where R^3 is -CH₂SR⁸.